EICA Tool (Electrical Instrumentation, Control and Automation)

A search tool to find the right Fieldbus information, associated documentation and installation files for the MIXIT product.

Please select your product and choice of BUS protocol.

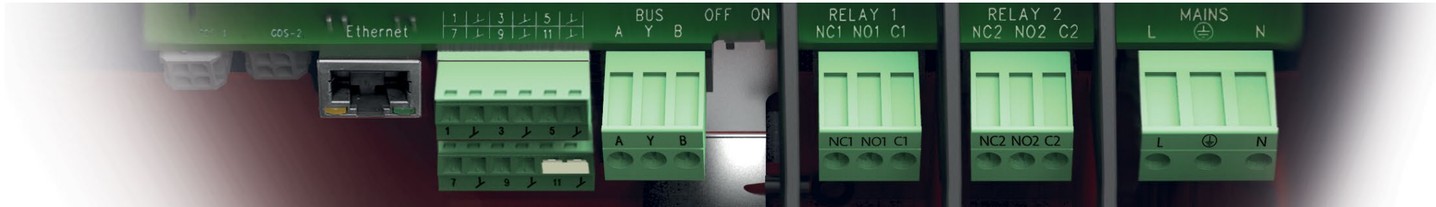
CHOOSE PRODUCT

CHOOSE COMMUNICATION

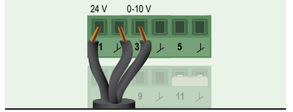
START SELECTION

www.grundfos-eica.com

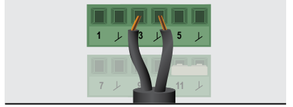
TERMINAL		TYPE	FUNCTION	FLOOR HEATING	RADIATOR HEATING (FANCOIL AND RADIANT HEATING)	HEATING COIL	COOLING	COMBINED HEATING/COOLING
	RJ45	Ethernet	BuildingConnect Modbus TCP BACnet IP					
1 3 5	**1**	+24 Volt	Supply	Supply for active sensor				
	⏚	GND	Ground					
	3	CIO1	Configurable I/O	Outdoor temperature sensor / External setpoint				
	⏚	GND	Ground					
	5	CIO2	Configurable I/O	Daisy chain		External temperature sensor / Daisy chain		
	⏚	GND	Ground					
7 9 11	**7**	CIO3	Configurable I/O	Supply source setpoint				
	⏚	GND	Ground					
	9	DI4	Digital I/O	External overheat indicator	External setpoint reduce	External frost indicator		Switch over
	⏚	GND	Ground					
	11	DI5	Digital I/O	External start/stop				
	⏚	GND	Ground					
A Y B	**A**	Bus A (+)	**BUS** Genibus/ Fieldbus BACnet MS/TP, Modbus RTU					
	Y	Bus, GND						
	B	Bus B (-)						
NC1 NO1 C1	**NC1**	Normally closed contact	**RELAY 1** Signal relay 1	Fault signal				
	NO1	Normally open contact						
	C1	Common						
NC2 NO2 C2	**NC2**	Normally closed contact	**RELAY 2** Signal relay 2	Run signal				
	NO2	Normally open contact						
	C2	Common						
L ⏚ N	**L**	Line	**MAINS** Mains supply					
	⏚	Earth						
	N	Neutral						



CIO1 (ACTIVE SENSOR)

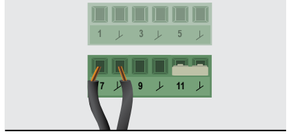


CIO1 (PASSIVE SENSOR)

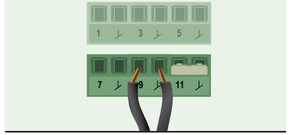


CIO2

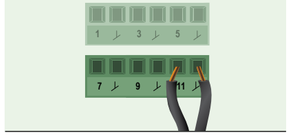
CIO3



DI4



DI5



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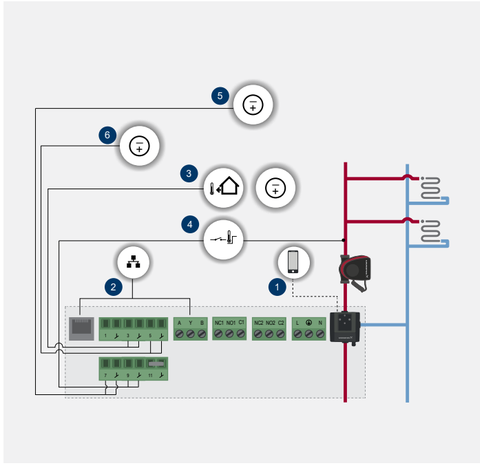
GRUNDFOS

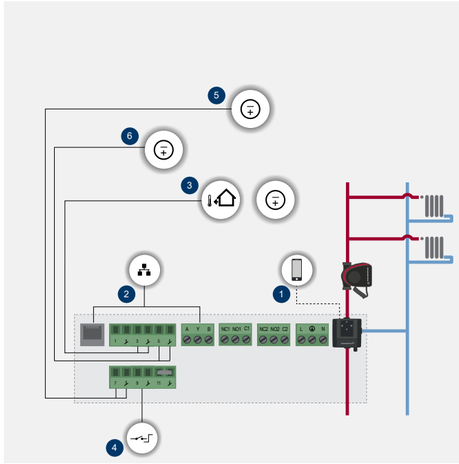
WIRING DIAGRAMS

FLOOR HEATING



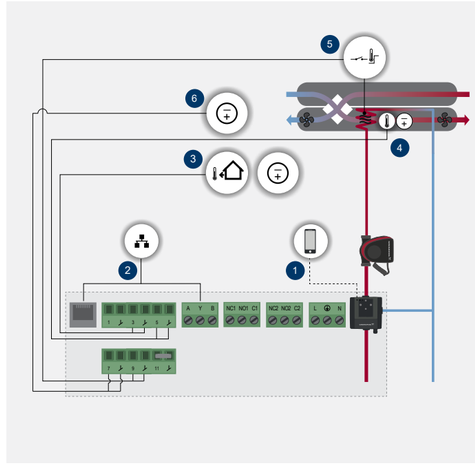
1. Bluetooth connection to smartphone via Grundfos GO Remote
2. Integration into BMS system
3. Outdoor temperature sensor (here shown as Pt 1000) or external setpoint
4. Temperature protection switch (extra thermal protection)
5. Supply source set point
6. Daisy chain

RADIATOR HEATING
(FANCOIL AND RADIANT HEATING)



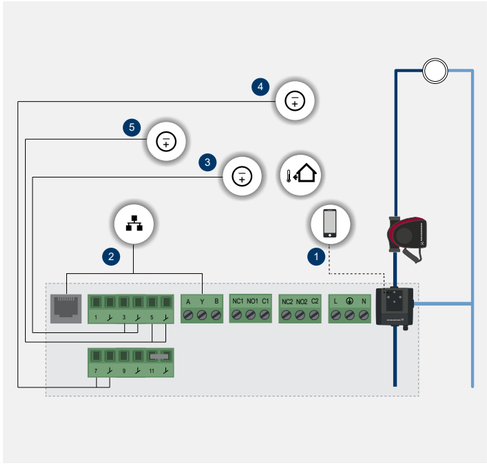
1. Bluetooth connection to smartphone via Grundfos GO Remote
2. Integration into BMS system
3. Outdoor temperature sensor (here shown as Pt 1000) or external setpoint
4. External setpoint reduce (5 °C)
5. Supply source set point
6. Daisy chain

HEATING COIL



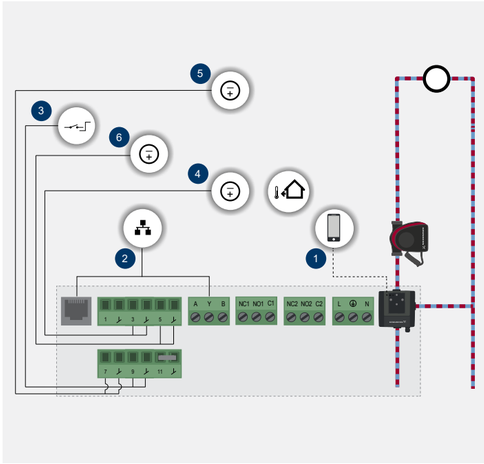
1. Bluetooth connection to smartphone via Grundfos GO Remote
2. Integration into BMS system
3. Outdoor temperature sensor (here shown as Pt 1000) or external setpoint
4. External temperature sensor or Daisy chain
5. Antifreeze sensor (extra protection against freezing)
6. Supply source set point

COOLING



1. Bluetooth connection to smartphone via Grundfos GO Remote
2. Integration into BMS system
3. Outdoor temperature sensor (here shown as Pt 1000) or external setpoint
4. Supply source set point
5. External temperature sensor or Daisy chain

COMBINED HEATING/COOLING



1. Bluetooth connection to smartphone via Grundfos GO Remote
2. Integration into BMS system
3. Switch between heating and cooling mode
4. Outdoor temperature sensor (here shown as Pt 1000) or external setpoint
5. Supply source set point
6. External temperature sensor or Daisy chain